CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/WNo.12/BTRK/WBM/AIV/2013-14 25.02.2014

Aggregate Impact Value

IS: 2386 Part IV

Client	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
Agency	**Mr. B.T. Ravikumar,** Contractor, Bangalore.
Name of the Work	Providing BS Slab drain and metalling in Kerekodi Road, near Nisarga Layout at Abbigere in Ward No. 12 in Shettyhalli Sub Division, BBMP, Bangalore.
Reference	EE/DD/WO/219/2013-14 Dated: 27.01.2014
Source / Location	WBM Mix Plant, Bangalore
Type of Mix	Water Bound Macadam
Date of Testing	25.02.2014

Sl No.	Details	Trial No. 1	Trial No. 2	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	383	385	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	83	85	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	300	300	
4	Aggregate Impact value = percent fines	21.67	22.08	
	100* (W_2/W_1)%			21.87

Comments:

→ Maximum allowable Aggregate Impact value for Water Bound Macadam is 30%

Note:

→ This test report should not be reproduced except in full, without written approval of the laborator

→ The results indicated above are based on the tests carried out on the samples received in the labor

→ Any Query regarding the report must be reported within 30 days from the date of testing

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DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
Agency	**Mr. B.T. Ravikumar,** Contractor, Bangalore.
Name of Work	Providing BS Slab drain and metalling in Kerekodi Road, near Nisarga Layout at Abbigere in Ward No. 12 in Shettyhalli Sub Division, BBMP, Bangalore.
Reference	EE/DD/WO/219/2013-14 Dated: 27.01.2014
Technical Reference	IS 2386(Part 1) 1963 (RA 2007)
Type of Mix	Water Bound Macadam (Grade-III Metal)
Date of Testing	25.02.2014

Result : Flakiness Index = **12.15%**

Elongation Index = **13.26%**

Result : Combined Flakiness & Elongation index **25.41%**

Comments:

→ Maximum allowable Flakiness and Elongation Index for Water Bound Macadam is 30%

Note:

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Job No.: CTCE/BBMP/WNo.12/BTRK/WBM-III/S-T/2013-14 25.02.2014

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
Agency	**Mr. B.T. Ravikumar,** Contractor, Bangalore.
Name of Work	Providing BS Slab drain and metalling in Kerekodi Road, near Nisarga Layout at Abbigere in Ward No. 12 in Shettyhalli Sub Division, BBMP, Bangalore.
Reference	EE/DD/WO/219/2013-14 Dated: 27.01.2014
Technical Reference	IS 2386(Part 1) 1963 (RA 2007)
Type of Mix	Water Bound Macadam (Grade-III Metal)
Date of Testing	25.02.2014

Result : Flakiness Index = **11.86%**

Elongation Index = **13.58%**

Result : Combined Flakiness & Elongation index **25.44%**

Comments:

→ Maximum allowable Flakiness and Elongation Index for Water Bound Macadam is 30%

Note:

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